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ABSTRACT

This operating manual was constructed for the first version of the experimental database system SOUCIT, a qualified citation index for educational technology designed by the Computer Services Unit of Robert Gordon's Institute of Technology (RGIT) in association with the Scottish Education Department. The database comprises 45 references generated from four key articles on evaluation. In addition to the characteristics of a citation index which links references with other more recent works, the Qualified Citation Indexing Project also describes the relationship between the citation and its content by using "qualifying" terms or "relational qualifiers." Form, type, and language of publication are indicated as well. Search strategies allow author entry by listing (1) ALL publications by an author, (2) CITING papers which identify publications and their references, or (3) a CITATION SEARCH, which identifies publications by an author cited by other authors; access by subject keyword is not currently available. Search procedures are included for the three author entries. Appendices include the authors' names that are in the database and sample searches for the three strategies. The 2-year project is being carried out by Aberdeen University Teaching Centre and the RGIT School of Librarianship. (RBF)

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QUALIFIED CITATION INDEXING PROJECT

INFORMATION RETRIEVAL PROGRAM

'SOUCIT'

USERS MANUAL

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• INTRODUCTION

SOUCIT is a suite of programs designed by the RGIT Computer Services Unit in association with the SED Qualified Citation Indexing Project. The Project is being carried out by Aberdeen University Teaching Centre and RGIT School of Librarianship.

The computer programs are in their development stage, so will act only on selected data in a limited field. (For actual authors' names in the system at present, see DATA SUPPLEMENT to this manual)

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The data base consists of 45 references. Those have been generated from 4 'key' articles on 'evaluation'. The 'key' references were chosen because they represent important articles often cited by educational technology researchers. Their bibliographical details are as follows:

* PARLETT M
1972
Evaluation as illumination: a new approach to the study of innovatory programmes. By M PARLETT & D HAMILTON. University of Edinburgh, Centre for Research in the Educational Sciences. Occasional Paper no. 9.

* HAMILTON D
1976
In search of structure: essays from an open plan school. Edinburgh, Scottish Council for Research in Education.

* HAMILTON D
1977
Beyond the numbers game: a reader in educational evaluation. Edited by D HAMILTON; D JENKINS; C KING; B MACDONALD; M PARLETT. London, Macmillan Education.

* HAMILTON D
1977
Illuminations and ruminations. In - Research Intelligence 3(1) 22-23.

By the nature of the construction of the Index, references to articles and books are included where these 'key' articles have been quoted, thus taking the browser in this subject area into other disciplines. On the whole, entries have been excluded from lists of references where they were not relevant to 'evaluation'. Thus it will be found that parts of bibliographies, or even whole bibliographies, have been excluded from specific papers even though you may know that they exist!

● STRUCTURE OF THE DATA FILE

Entries have been made in 'map' fashion from the above references in two directions i.e.
forward in time - by linking the papers to others which have quoted them, through tracing reference to them in papers by other authors i.e. CITING papers, and
backward in time - by including selected lists of references quoted.

It is this first feature of linking references with other work more recently published that characterises a Citation Index.

The Qualified Citation Index Project goes further than this in attempting to QUALIFY the linkages between the cited and citing papers i.e the relationship between the citation and its context is described by using one or more of the following 'qualifying' terms, or 'relational qualifiers':

(NOTE: The terms are tentative at present and will change as the Index develops.)

Paying homage	Methodology
Credit	Equipment
Bibliographical leads	Correction
	Criticism
Historical	Disputing
Background reading	Disclaiming
Narrative	Contradictory research
Definition	Substantiation
Clarification	Corroboration
Illustration	Similar research
	Similar work
Anticipated value	
New research	Statistics
	Data
	Practical application

Note is also made of the FORM of the publication (book, article, etc.)
the TYPE of publication (Conference paper, letter to editor, technical note etc.)
and the LANGUAGE of publication, where appropriate i.e. if other than English.

Thus each reference in the Index has a number of descriptors attached to it. These descriptors will appear on the screen underneath each reference where appropriate, for example:

JACKSON P W
1968
Life in classrooms.
New York, Holt, Rinehart & Winston

Cited by

* HAMILTON D
1977
In search of structure.
Hodder & Stoughton

QUALIFIERS	* Article	Background reading
	*	Disputing
	*	Contradictory research

● SEARCH STRATEGIES

The index may be searched either by Author or by Subject Keyword.

"A" An Author Search assumes that you have in mind a known author or paper which you wish to follow up.
You may choose to see ALL publications by this author as principal or joint author, in which case you will be given a straight list;
OR - You may wish to see the same publications with their lists of references attached i.e. CITING papers - this will exclude publications where no references have been listed;
OR - You may choose to do a CITATION SEARCH,pin which case you will be given a list of only the publications by this author which have been cited by other authors, with details of the citing authors' publications and relationships between the papers.

"B" A search by Subject Keyword is not available at present. When available, this will provide another entry to the system.

● SEARCH PROCEDURES

"A" Author Search:

This search begins with a prompt for 'Author's Name?'

The format in which the authors' names are held is:

SURNAME followed by SPACE followed by

one or more INITIALS e.g. MILLER C M L

The length of the author record is limited to 25 characters in the first instance, so in the case of an Institution this may have to be an abbreviation. (More information is available on request at a later point).

e.g. NUFFIELD FOUND.GP RES INN

for: NUFFIELD FOUNDATION GROUP FOR RESEARCH AND INNOVATION IN HIGHER EDUCATION

If you do not know the exact name, spelling or initials of the author's name at this stage, you can type either the first letter or first few letters, and the program will respond.

e.g. typing 'D' will display all authors' names in the system whose surnames begin with 'D'; typing 'NUFF' will display all beginning with this combination, and you will then be able to copy the format or abbreviation exactly. The item will only be found if the abbreviation (including spaces, commas etc.) is exactly as shown on the machine display on your screen.

Having found the Author you will receive a prompt for 'BIOGRAPHICAL INFORMATION'. This carries any further information known at the time of entry on the Author's NAME or TITLE and on their PLACE OF WORK or ADDRESS - anything known, in short, which may help you to further identify the author, if you wish to do so.

If you do not wish Biographical information, typing 'N' will take you to the next prompt which will display a choice of "A", "B" or "C" Search(See over)

NOTE at this stage that whichever option you take you will be asked at some point if you want 'MORE INFORMATION' on any one publication, and if you want to do a 'CITATION SEARCH' on any one publication. In each case you will be asked to give the DATE OF PUBLICATION and the FIRST FIVE CHARACTERS OF THE TITLE. This means that for an author whose publications may be too many to be shown on the screen concurrently you will have to note as you read through them the date and first five characters of any you might wish to follow further.

For example, in the list of Hamilton's publications given below, the first would be identified as

1977EVALU

the second as

1972EVALU

the third as

1977ILLUM

the fourth by

1976IN SE

and so on.

(A CITATION SEARCH is approximately the same for a single publication as Search "B" for all publications by an author)

"A" Search - (ALL) This choice will give you a list of all the publications by the selected author as either principal or joint author, but no links with other papers
e.g.

1977
Evaluation as illumination
In-Beyond the numbers game.Edited by D Hamilton

1972
Evaluation as illumination
Centre Res.Educ.Sci.Edinburgh.Occas.Paper 9

1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

1976
In search of structure:essays from an open plan school.
Edinburgh.Scot.Council for Res.in Education

etc.

After the complete list is displayed you will be asked if you wish more Bibliographical Information on any one publication (i.e. if you think there may be more details than have been given in the abbreviated version on the screen) and also if you wish to do a Citation Search on any one publication. This will give other publications in which the one selected by you from the above list has been quoted.

"B" Search - (CITED) This will give publications by this author which have been quoted by other authors, together with the details of the papers in which they have been quoted and the nature of the relationship between the papers in each case

e.g.

1972
Evaluation as illumination
Centre Res.Educ.Sci.Edinburgh.Occas.Paper 9

Cited by

* PARLETT M
1977
Evaluation as illumination
In-Beyond the numbers game. Edited by D HAMILTON

Article — Same paper
Conference paper

1976
In search of structure:essays from an open plan school.
Edinburgh.Scot.Council for Res.in Education

Cited by

* HAMILTON D
1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

Mimeo — Background reading
Methodology

etc.

"C" Search - (CITING) This search will give publications by the author as in "A" but only if they had references listed with them - the references will be listed underneath each publication
e.g.

1977
Evaluation as illumination
In-Beyond the numbers game.Edited by D HAMILTON

Citing

* PARLETT M
1972
Evaluation as illumination
Centre Res.Educ.Sci.Edinburgh.Occas.Paper 9

Article — Same paper
Conference paper

1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

Citing

* CRONBACH L J
1975
Beyond the two disciplines of scientific psychology. In-American Psychologist 30(2)110-127

Article — Clarification
Methodology
Substantiation

* HAMILTON D
1976
In search of structure:essays from an open plan school
Edinburgh.Scot.Council for Res.in Education

Mimeo — Background reading
Methodology

etc.

All other search strategies possible at this stage are described on running the program.

"B" Subject Search

This option is not available at present.

DATA SUPPLEMENT

AUTHORS

APPENDIX A

BECHER R A
BOULDING K
CRONBACH L J
DEARDEN G J
FJALLBRANT N
HAMILTON D
HAMILTON F
HAMILTON H
HEWITT C
JACKSON PHILIP W
JENKINS DAVID
KEMMIS S
KING CHRISTINE
MACDONALD BARRY
MATTHIESSEN F O
MCALEESE RAY
MILLER C M L
NUFFIELD.FOUND GP RES INN
OVERLY N V
PARLETT M
SCHON D
SIMONS H
UNWIN DERICK
WHITEHEAD A N

SAMPLE SEARCH APPENDIX B

QUALIFIED CITATION INDEX PROJECT
****

This is a citation index - i.e. entries have been made from bibliographies of written papers, indicating LINKS between publications quoted in the lists of references (CITED publications) and the context in which they have been quoted (CITING publications)

The index may be searched either by Author ("A"),
.....or by Subject Keyword ("B").

If searching by Author, there are a number of alternate approaches which will be explained during the search.

Which approach do you wish to take first, "A" or "B"?
Please type "A"<RETURN> or "B"<RETURN>

A

Please give the Authors name you wish to search on.
(For example "hamilton"<RETURN>)

The program will accept the correct name if you already know it.

(For Example "hamilton d")

Please give Authors Name:

HAMILTON

Name not found in this form.
Similar names in the Index are:

HAMILTON D
HAMILTON F
HAMILTON H

Select Author's name from above:

HAMILTON D

Do you want biographical information on this Author?

Y

GLASGOW UNIVERSITY

Input "A" to see all publications by this author (ALL)
Input "B" to see publications by this author with reference to other authors who have cited them (CITED)
Input "C" to see publications by this author with their lists of references (CITING)

A

There are 8 publications by HAMILTON D
Do you wish to see them all?

Y

1972
Evaluation as illumination
Centre Res.Educ.Sci.Edinburgh.Occas.Paper 9

1976
Curriculum evaluation
London, Open Books

1976
In search of structure:essays from an open plan school
Edinburgh.Scot.Council for Res. in Education

1976
Some contrasting assumptions about survey anal

1977
Beyond the numbers game:..Edited by D HAMILTON
London, Macmillan

1977
Evaluation as illumination
In-Beyond the numbers game. Edited by D HAMILTON

1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

1977
In search of structure
Hodder & Stoughton

Last publication by this author

Do you wish further bibliographical information on any one publication? "Y" or "N"

Y

Please type 'Year' and 'First five characters of title
(For example: '1976in se')

1976In se

IN SEARCH OF STRUCTURE:ESSAYS FROM AN OPEN PLAN SCHOOL. EDINBURGH.SCOTTISH COUNCIL FOR RESEARCH IN EDUCATION.(REPUBLISHED AS BOOK,1977,PUBLISHED BY HODDER & STOUGHTON)

Do you wish to do a CITATION SEARCH on any one publication?
"Y" or "N"

Y

Please type 'Year' and 'First five characters of title'

●●●●●

B

There are 6 publications by HAMILTON D which have been cited by other authors

Do you wish to see them all?

Y

1972
Evaluation as illumination
Centre Res.Educ.Sci.Edinburgh.Occas.Paper 9

Cited by: *PARLETT M
1977
Evaluation as illumination
In-Beyond the numbers game.Edited by D HAMILTON
Conference Paper

*HAMILTON D
1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23
Paying homage
Bibliographical leads

*FJALLBRANT N
1977
Evaluation in a user education programme
In-Journal of Librarianship 9(2)83-95
D finition

*HEWITT C
1978
Evaluation
In-Encycl.educ.media commun.Ed.UNWIN pp338-346

1976
Curriculum evaluation
London, Open Books

Cited by: *HEWITT C
1978
Evaluation
In-Encycl.educ.media commun.Ed.UNWIN pp338-346

1976
In search of structure:essays from an open plan school
Edinburgh.Scot.Council for Res. in Education

Cited by: *HAMILTON D
1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

1976
Some contrasting assumptions about survey anal

Cited by: *HAMILTON D
1977
Illuminations and ruminations
In-Research Intelligence 3(1)22-23

(SEARCH NO.3)

C

There are 2 papers by HAMILTON D with lists of references

Do you wish to see them all?

Y

●●●●●